

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 3-6 have been amended and claims 7-20 have been added as follows:

Listing of Claims:

Claim 1 (original): A lock nut (1) for preventing a fastening nut (7) fastened against a bolt (6) from being loosened, the lock nut (1) comprising:

a nut body (2) having a groove (30) formed continuously and concentrically from a circumferential edge of a threaded hole (4) of one seat surface (3) and a plurality of projections (5) formed in said groove (30),

wherein each projection (5) is made from the same material as that of the nut body (2) and has an outer side face (31) extending in a tilted manner from the border between the seat surface (3) and the groove (30) of said nut body (2) toward a center of the nut body (2) and an inner side face (32) being an extension of an inner face of said threaded hole (4), and

wherein a depth of said groove (30) is made such that the projection (5) crushed when said nut body (2) is threadably engaged with the bolt (6) and fastened against it by the fastening nut (7) does not enter the space between a seat surface (8) of said fastening nut (7) and the seat surface (3) of said nut body (2).

Claim 2 (original): A lock nut according to claim 1, wherein an extremity of said projection (5) is formed with a claw (11) directed toward a center of said nut body (2).

Claim 3 (currently amended): A lock nut according to claim 1 ~~or claim 2~~, wherein said projection (5) has a screw head (12) being formed on said inner side face (32) and threadably engaged with a threaded part of said bolt (6).

Claim 4 (currently amended): A lock nut according to ~~any of claims 1 to 3~~ claim 1, wherein said fastening nut (7) is connected to the side of said projections (5) of said nut body (2); and

wherein a height of said projection (5) is set so that a lead angle and a pitch clearance of the threaded hole (4) of said nut body (2) coincide with a lead angle and a pitch clearance of a threaded hole (10) of said fastening nut (7).

Claim 5 (currently amended): A lock nut according to ~~any of claims 1 to 4~~ claim 1, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 6 (currently amended): A lock nut according to ~~any of claims 1 to 5~~ claim 1, wherein said projection (5) has a tapered mountain-shaped form.

Claim 7 (new): A lock nut according to or claim 2, wherein said projection (5) has a screw head (12) being formed on said inner side face (32) and threadably engaged with a threaded part of said bolt (6).

Claim 8 (new): A lock nut according to claim 2,
wherein said fastening nut (7) is connected to the side of said projections (5) of said nut body (2);
and
wherein a height of said projection (5) is set so that a lead angle and a pitch clearance of the threaded hole (4) of said nut body (2) coincide with a lead angle and a pitch clearance of a threaded hole (10) of said fastening nut (7).

Claim 9 (new): A lock nut according to claim 3,
wherein said fastening nut (7) is connected to the side of said projections (5) of said nut body (2);
and
wherein a height of said projection (5) is set so that a lead angle and a pitch clearance of the threaded hole (4) of said nut body (2) coincide with a lead angle and a pitch clearance of a threaded hole (10) of said fastening nut (7).

Claim 10 (new): A lock nut according to claim 7,
wherein said fastening nut (7) is connected to the side of said projections (5) of said nut body (2);
and

wherein a height of said projection (5) is set so that a lead angle and a pitch clearance of the threaded hole (4) of said nut body (2) coincide with a lead angle and a pitch clearance of a threaded hole (10) of said fastening nut (7).

Claim 11 (new): A lock nut according to claim 2, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 12 (new): A lock nut according to claim 3, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 13 (new): A lock nut according to claim 4, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 14 (new): A lock nut according to claim 7, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 15 (new): A lock nut according to claim 8, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 16 (new): A lock nut according to claim 9, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 17 (new): A lock nut according to claim 10, wherein the height of said projection (5) is equal to or more than 30% of a length of said nut body (2) in the direction of its central axis.

Claim 18 (new): A lock nut according to claim 2, wherein said projection (5) has a tapered mountain-shaped form.

Claim 19 (new): A lock nut according to claim 3, wherein said projection (5) has a tapered mountain-shaped form.

Claim 20 (new): A lock nut according to claim 4, wherein said projection (5) has a tapered mountain-shaped form.